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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/815,802

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EXAMINER

JACKSON, BLANE J

ART UNIT

PAPER NUMBER

2618

MAIL DATE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/815,802	Applicant(s) OHMURA ET AL.	
	Examiner BLANE J. JACKSON	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 July 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 22 and 24-34 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 27-31 and 34 is/are allowed.
- 6) ☒ Claim(s) 22, 24-26, 32 and 33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 22, 24, 25 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Koenck et al. (US 2004/0166895) in view of Tomov (DE 3311716).

As to claim 22, Koenck teaches a portable printer comprising:

a connecting mechanism that connects the portable printer to a portable communication terminal (figures 1 and 2, paragraphs 0122 and 0131, terminal unit (10) includes a peripheral I/O module (34), the module including a standard RS-232 and RS-485 connectors to mount or dock with a portable printer device),

a second connector that is directly connected to a first connector of the portable communication terminal when the portable printer is connected to the portable communication terminal (figure 2, paragraphs 0122 and 0131, the standard connector of the docked portable printer), and

a printer part that prints an image on a printer medium in accordance with image data input from the portable communication terminal via the first and second connectors (figure 2, paragraph 0131, the communication terminal (10) communicates with a portable printer device (59)).

Koenck teaches the telephone is configured to mount or dock with a peripheral device as well as utilize a conventional docking station, paragraphs 0122 and 0223, but does not specify a connecting mechanism includes a housing for housing a part of the portable communication terminal including the first connector and mechanism connector is provided at an inner side of the housing.

Tomov teaches a portable computer (1) comprising a removable service module (2) for display, data input and telephone communications, the service module is coupled to the computer with a direct (connectors) connection, figure 1, Abstract. Tomov further discloses the computer may connect to a docking station (which denotes the “computer” as a portable peripheral device to house the “service module”) or comprise a barcode reader, card recorder or an integrated full graphics printer with paper holder, Abstract.

Since Koenck teaches a system to mount a portable telephone to a portable printer, it would have been obvious to one of ordinary skill in the art at the time of the invention to realize the system of Tomov where the telephone is docked to a computer comprising at least a printer to securely access peripheral equipment.

As to claim 24 with respect to claim 22, Tomov of Koenck modified teaches the connecting mechanism connects the portable communication terminal to the portable printer in a lengthwise manner or a widthwise manner (figure 2, Abstract, lengthwise shown).

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As to claim 25 with respect to claim 22, Tomov of Koenck modified teaches the connecting mechanism externally connects the portable communication terminal onto the portable printer (figures 1 and 2, Abstract, direct or non direct (cabled or wireless connection)).

As to claim 33 with respect to claim 22, Tomov of Koenck modified teaches the housing comprises a recess which accommodates at least one of a width and length of a housing that contains the portable communication terminal when the first and second connectors are connected to one another (figure 2, the telephone (2) is fit into a recess of the computer (1) lengthwise).

Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable over Koenck et al. (US 2004/0166895) and Tomov (DE 4411716) in view of Silverbrook et al. (US 6,405,055).

As to claim 26 with respect to claim 22, Koenck and Tomov teach a portable telephone attached to a peripheral device comprising a printer, but does not teach the connecting mechanism includes a coupling part that is coupled with a battery attaching part of the portable communication terminal.

Silverbrook teaches a hand held mobile phone having an internal detachable printer (12), figures 3 and 4, column 2, line 44 to column 3, line 31. Silverbrook reveals the detachable printer is mounted between the mobile phone and the battery (32) such

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that the connecting mechanism includes a coupling part that is coupled with the battery attaching part of the mobile phone, figure 4, column 3, lines 5-60.

It would have been obvious to one of ordinary skill in the art at the time of the invention to configure the communication terminal to fit the printer of the system of Koenck modified as shown by Silverbrook to provide a more integrated compact portable printer/ mobile phone.

Claim 32 is rejected under 35 U.S.C. 103(a) as being unpatentable over Koenck et al. (US 2004/0166895) and Tomov in view of Stephenson (US 6,241,351).

As to claim 32 with respect to claim 22, Koenck modified teaches a portable telephone coupled to a portable printer, but does not teach the print medium is an instant print film and the printer part includes a light emission head for exposing an image light onto the instant print film in accordance with the inputted image data, and an spread device for spreading the instant print film exposed by the light emission head to develop the instant print film.

Stephenson teaches a portable battery powered printer for printing images from an image source such as electronic still cameras, figure 1, column 2, lines 34-47. Stephenson discloses each ink receiver sheet (15) is a light sensitive media and write head is a light source that is modulated to create an image where the ink receiver sheet (15) can be a Polaroid instant print film and write head can be a small array of red, green and blue light emitting diodes, column 2, lines 48-67.

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the portable battery powered printer of Stephenson as the printer used with the telephone/ printer combination of Koenck modified for printing images in a field environment.

Allowable Subject Matter

Claims 27-31 are allowed.

Conclusion

Reference the attached PTO-892 document for the additional prior art made of record and not relied upon but considered pertinent to applicant's disclosure.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BLANE J. JACKSON whose telephone number is (571)272-7890. The examiner can normally be reached on Monday through Thursday, 8:30 AM-7:00 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Blane J Jackson/
Examiner, Art Unit 2618